

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Date: *3/31/2005*

By: *Chris Hambridge*

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

REVOCATION AND SUBSTITUTION OF POWER OF ATTORNEY

Dear Sir:

I hereby revoke all previous powers of attorney or authorizations of agent given in the patent applications listed below and any continuations or divisionals thereof. I hereby appoint All Practitioners at Customer Number 08933 to prosecute all applications listed below and any continuations or divisionals thereof and to transact all business in the United States Patent and Trademark Office connected therewith.

I hereby appoint the following additional attorneys, to prosecute this application and to transact all business in the United States Patent and Trademark Office connected therewith:

Chien Chou
Simon Lu

Registration Number: 41,672
Registration Number: 51,974

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Please change the correspondence address for all the applications listed below to:

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All telephone calls for all applications listed below should be addressed to Steven E. Koffs at (215) 979-1250

CERTIFICATE UNDER 37 CFR 3.73(b)

Taiwan Semiconductor Manufacturing Co., Ltd. , a Corporation

(Name of Assignee)(Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

certifies that it is the assignee of the entire right, title and interest in the patent applications identified below by virtue of an assignment from the inventor(s) of the patent applications:

Serial No.	Filing Date	Assignment Information
09/917,348	07/30/2001	Assignment recorded in the Patent and Trademark Office at Reel 012044, Frame 0228
10/205,518	07/25/2002	Assignment recorded in the Patent and Trademark Office at Reel 013161, Frame 0630
10/253,322	09/24/2002	Assignment recorded in the Patent and Trademark Office at Reel 013327, Frame 0778
10/421,188	04/23/2003	Assignment recorded in the Patent and Trademark Office at Reel 014006, Frame 0355
10/438,681	05/15/2003	Assignment recorded in the Patent and Trademark Office at Reel 014084, Frame 0183
10/444,873	05/23/2003	Assignment recorded in the Patent and Trademark Office at Reel 014114, Frame 0953
10/615,745	07/09/2003	Assignment recorded in the Patent and Trademark Office at Reel 014297, Frame 0261
10/641,649	08/15/2003	Assignment recorded in the Patent and Trademark Office at Reel 013451, Frame 0706

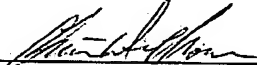
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10/650,601	08/28/2003	Assignment recorded in the Patent and Trademark Office at Reel 014471, Frame 0671
10/661,042	09/12/2003	Assignment recorded in the Patent and Trademark Office at Reel 014511, Frame 0823
10/661,793	09/12/2003	Assignment recorded in the Patent and Trademark Office at Reel 014502, Frame 0019
10/666,355	09/19/2003	Assignment recorded in the Patent and Trademark Office at Reel 014534, Frame 0241
10/669,515	09/24/2003	Assignment recorded in the Patent and Trademark Office at Reel 014542, Frame 0114
10/706,380	11/12/2003	Assignment recorded in the Patent and Trademark Office at Reel 014701, Frame 0135
10/754,833	01/09/2004	Assignment recorded in the Patent and Trademark Office at Reel 014897, Frame 0143
10/785,522	02/24/2004	Assignment recorded in the Patent and Trademark Office at Reel 015021, Frame 0195

The undersigned has reviewed all the documents in the chain of title of the patent applications identified above and, to the best of undersigned's knowledge and belief, title is in the assignee identified above.

The undersigned (whose title is supplied below) is empowered to sign this certificate on behalf of the assignee.

I hereby declare that all statements made herein of my own knowledge are true, and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made, are punishable by fine or imprisonment, or both, under Section 1001, Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Date: 11/29/2004 By: 
Name: Chien-Wei Chou
Title: Director, Intellectual Property Division